

IN THE CLAIMS

Claim 1 (Currently Amended): A method of presenting a printer operator interface, the method comprising the steps of:

generating an operator display definition in a processor within a printer, wherein the operator display definition defines an operator interface display and wherein the operator display definition is defined by a dataset conforming to a network protocol for interpretation within the printer and at a remote terminal;

interpreting, within the printer and according to the network protocol, the dataset defining the operator display definition to produce an interpreted operator interface display for display on a printer display of the printer; and

displaying, on ~~a-the printer~~ display of the printer, the interpreted operator interface display produced by the interpreting, within the printer and according to the network protocol, of the operator display.

Claim 2 (Previously Presented): The method of claim 1, wherein the network protocol is a HyperText Transfer Protocol, wherein the interpreting interprets, within the printer, the dataset conforming to the HyperText Transfer Protocol defining the operator display definition that was generated in the processor within the printer.

Claim 3 (Previously Presented): The method of claim 1, wherein the operator display definition comprises data for one or more of a video, an image, a sound file and an animation display.

Claim 4 (Previously Presented): The method of claim 1, wherein the step of generating the operator display definition is performed in response to an operating parameter within the printer changing independently of user input.

Claim 5 (original): The method of claim 4, wherein the operating parameter is categorized as at least one of a priority parameter, a paper jam indicator and an out of paper indicator.

Claim 6 (Previously Presented): The method of claim 1, wherein the step of generating the operator display definition is performed periodically with a time period.

Claim 7 (original): The method of claim 6, wherein the time period is adjusted according to at least one of an operating state of the printer and an error state of the printer.

Claim 8 (original): The method of claim 1, further comprising the steps of:

accepting an operator input for the printer through means associated with the operator interface display; and

controlling a function within the printer in response to the operator input.

Claim 9 (Cancelled).

Claim 10 (original): The method of claim 8, wherein the step of accepting utilizes at least one of a pointing device, a keyboard, handwriting recognition, and a touchscreen input.

Claim 11 (Currently Amended): A method of presenting an operator interface for a controller, the method comprising the steps of:

generating an operator display definition within a computer controller, wherein the operator display definition defines an operator interface display and wherein the operator display definition is defined by a dataset conforming to a network protocol for interpretation within the computer controller and at a remote terminal;

interpreting, within the computer controller and according to the network protocol, the dataset defining the operator display definition to produce an interpreted operator interface display for display on a display on the computer controller; and

displaying, on a the display on the computer controller, the interpreted operator interface display produced by the interpreting, according to the network protocol, of the operator display.

Claim 12 (Previously Presented): A computer printer, comprising:

an operator display dataset generator, located within a printer, for generating a display definition, wherein the display definition defines an operator interface display and wherein the display definition is defined by a dataset conforming to a network protocol for interpretation within the printer and at a remote terminal;

a display dataset interpreter, communicatively coupled to the operator display dataset generator, for interpreting, according to the network protocol, the dataset defining the display definition to produce an interpreted operator interface display, wherein the display dataset interpreter is contained within the printer; and

an operator interface display, electronically coupled to the display dataset interpreter and part of the printer, for displaying the interpreted operator interface display produced by the display dataset interpreter.

Claim 13 (Previously Presented): The system of claim 12, wherein the network protocol is a HyperText Transfer Protocol, wherein the display dataset interpreter interprets, within the printer, the dataset conforming to the HyperText Transfer Protocol defining the operator display definition that was generated in the processor within the printer.

Claim 14 (Previously Presented): The system of claim 12, wherein the operator display definition comprises data for one or more of a video, an image, a sound file, and an animation display.

Claim 15 (Previously Presented): The system of claim 12, wherein operator display dataset generator operates in response to an operating parameter within the printer changing independently of user input.

Claim 16 (original): The system of claim 15, wherein the operating parameter is categorized as at least one of a priority parameter, a paper jam indicator and an out of paper indicator.

Claim 17 (Previously Presented): The system of claim 12, wherein the operator display dataset generator operates periodically with a time period.

Claim 18 (original): The system of claim 17, wherein the time period is adjusted according to at least one of a state of the printer and an error state of the printer.

Claim 19 (original): The system of claim 12, further comprising:

an operator input device for accepting an operator input, wherein the operator input is associated with the operator interface display; and

a device controller, communicatively coupled to the operator input, for controlling a function within the printer in response to the operator input.

Claim 20 (Cancelled).

Claim 21 (original): The system of claim 19, wherein the operator input comprises at least one of a pointing device, a keyboard, handwriting recognition means, and a touchscreen input.

Claim 22 (Currently Amended): A computer readable medium including computer instructions for presenting an operator interface for a printer, the computer instructions comprising instructions for:

generating an operator display definition in a processor within a printer, wherein the operator display definition defines an operator interface display and wherein the operator display definition is defined by a dataset conforming to a network protocol for interpretation within the printer and at a remote terminal;

interpreting, within the printer and according to the network protocol, the dataset defining the operator display definition to produce an interpreted operator interface display for display on a display on the printer display; and

displaying, on a the display on the printer, the interpreted operator interface display produced by the interpreting, within the printer and according to the network protocol, of the operator display.

Claim 23 (Previously Presented): The computer readable medium of claim 22, wherein the network protocol is a HyperText Transfer Protocol, wherein the interpreting interprets, within the printer, the dataset conforming to the HyperText Transfer Protocol defining the operator display definition that was generated in the processor within the printer.

Claim 24 (Previously Presented): The computer readable medium of claim 22, wherein the operator display definition comprises data for one or more of a video, a sound file, an image and an animation display.

Claim 25 (Previously Presented): The computer readable medium of claim 22, wherein the instruction for generating the operator display definition is executed in response to an operating parameter within the printer changing independently of user input.

Claim 26 (original): The computer readable medium of claim 25, wherein the operating parameter is categorized as at least one of a priority parameter, a paper jam indicator and an out of paper indicator.

Claim 27 (Previously Presented): The computer readable medium of claim 22, wherein the instruction for generating the operator display definition is performed periodically with a time period.

Claim 28 (original): The computer readable medium of claim 27, wherein the time period is adjusted according to at least one of a state of the printer and an error state of the printer.

Claim 29 (original): The computer readable medium of claim 22, further including instructions for:

accepting an operator input associated with the operator interface display; and
controlling a function within the printer in response to the operator input.

Claim 30 (original): The computer readable medium of claim 29, wherein the function comprises generating an additional operator interface display.

Claim 31 (original): The computer readable medium of claim 29, wherein the instruction for accepting accepts input from at least one of a pointing device, a keyboard, handwriting recognition means, and a touchscreen input.

Claim 32 (Previously Presented): The method of claim 1, wherein the display is integral to the printer.

Claim 33 (Previously Presented): The method of claim 1, further comprising sending, according to the network protocol and in response to receiving a request from a remote workstation, the dataset defining the operator display definition from the printer to the remote workstation.